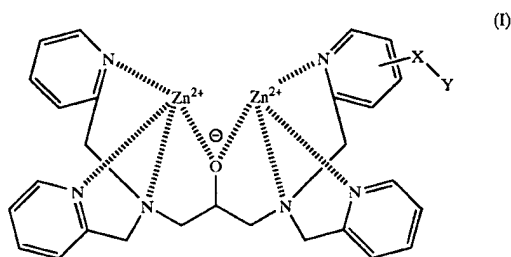


IN THE CLAIMS:

1. (currently amended) A method for labeling a phosphorylated peptide by comprising the step of contacting a complex compound represented by the formula (I):

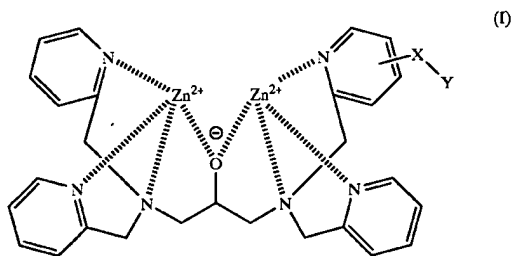


with said phosphorylated peptide wherein X is a linker moiety, and Y is a labeling group.

2. (original) The method according to claim 1, wherein the complex compound is a compound having biotin as a labeling group.

Claims 3 and 4 (canceled).

5. (original) A complex compound represented by the formula (I):

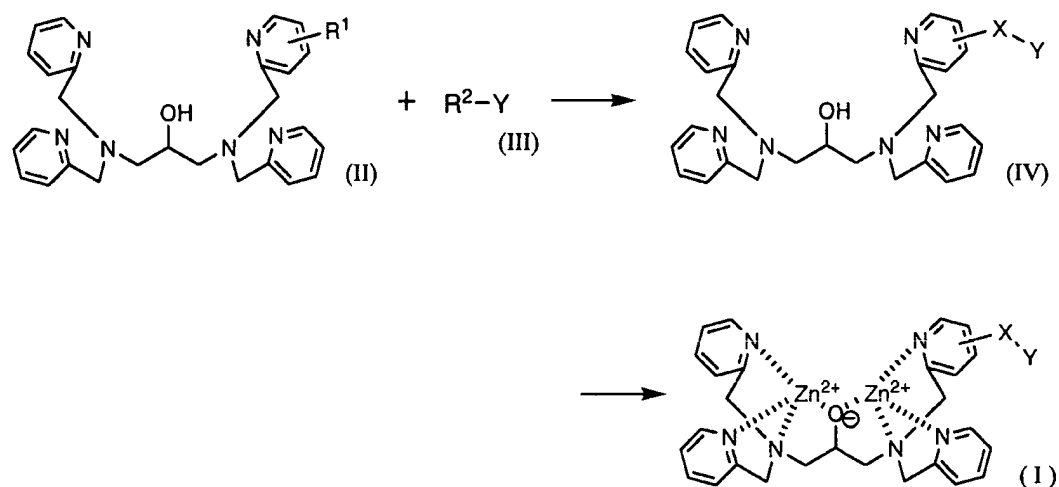


wherein X is a linker moiety, and Y is a labeling group.

6. (original) The complex compound according to claim 5, wherein the labeling group is biotin.

7. (currently amended) A method for producing the compound (I), comprising Scheme 1

Scheme 1



wherein,

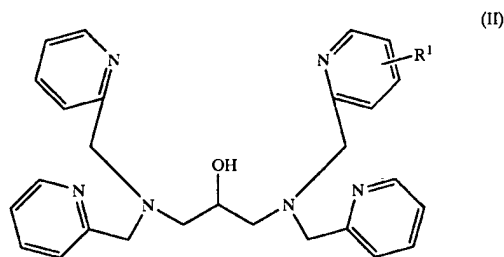
R^1 and R^2 each is a reactive group for forming the linker moiety $X[.]_i$

wherein

X is a C1-C6 alkylene group, an amino group, an ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group; a C1-C6 alkylene group having, at one end thereof, a group selected from the group consisting of an amino group, an ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group; a C1-C6 alkylene group having, at the opposite ends thereof, two groups selected from the group consisting of an amino group, ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group, wherein the groups at the opposite ends are identical to or different from each other; and a group in which two or more than two groups selected from the group consisting of an amino group, and ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group, and a C1-C6 alkylene group are linearly linked

and Y is a labeling group.

8. (currently amended) A compound represented by the formula (II):



wherein R¹ is a reactive group for forming a C1-C6 alkylene group, an amino group, an ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group; a C1-C6 alkylene group having, at one end thereof, a group selected from the group consisting of an amino group, an ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group; a C1-C6 alkylene group having, at the opposite ends thereof, two groups selected from the group consisting of an amino group, ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group, wherein the groups at the opposite ends are identical to or different from each other; and a group in which two or more than two groups selected from the group consisting of an amino group, and ether group, a thioether group, a carbonyl group, a thionyl group, an ester group, an amide group, a urea group, a thiourea group, and a C1-C6 alkylene group are linearly linked except a carboxyl group, a carbamoyl group, a hydroxy group, a halogen group an aminomethyl group, a hydroxymethyl group, an amino group, and a carboxyl group.

9. (new) The method according to Claim 1, wherein said complex compound is a compound having a fluorescent group as a labeling group.

10. (new) The method according to Claim 1, wherein said complex compound is a compound having a group containing a nitro oxide radical as a labeling group.

11. (new) The complex compound according to claim 5, wherein the labeling group is a fluorescent group.

12. (new) The complex compound according to claim 5, wherein the labeling group is a group containing a nitro oxide radical.